



Property Interests Product (PIP) Collaborative Research Project

Typical Enquiries / Applications of the Property Interests Product

**A Joint Government and Industry Research
Initiative for the Development of the Queensland
Spatial Information Infrastructure (QSI).**

Typical Enquiries / Applications of the Property Interests Product

Typical Enquiry / Application	Property Interests Product Supporting Enquiry
Mining	
1. Identify parcels / properties subject to mining lease or exploration permit	4
2. Identify environmental constraints / restrictions on access to parcels / properties	2
3. Identify competing / adjacent land use	1,2
Public Housing	
1. Identify the location of public housing stock	X
2. Generate a report on each property (age, condition, value)	X
3. Identify frequency of stock turnover (last sale date, sale price)	X
Government Land Register (GLR)	
1. Identify government land meeting user defined selection criteria	4
2. Identify \$ value of rent owing	4
3. Identify land use constraints	2
4. Identify scheduled maintenance (and status)	4
5. Identify land use surrounding GLR parcel	4
6. Identify permitted land use on Crown land parcel	4
7. Identify land declared surplus to requirements	4
8. Query accounting system with aspatial / spatial enquiry	Internal
9. Identify unallocated State land	4
10. Query economic return from leased land	Internal
11. Identify recent sales of (surplus) land in a user defined area	4
4 Transport	
1. Identify all landowners affected by new road corridor	2
2. Identify constraints on proposed new route flora, fauna, heritage, flooding	2
3. Identify native title interests	4
4. Determine value of properties, within new road corridor	2,4
Education	
1. Find suitable site meeting specified criteria	1
2. Proximity analysis - students to schools; schools to other schools	X
3. Proximity to hazards - flooding, contamination	2
4. Proximity to utilities - services	3
5. School bus route optimisation	X
6. Shortest path analysis, access / egress routes	3
Emergency Services	
1. Locate incident by street address or landmark feature	3
2. Identify, properties for a nominated boundary / radius from a given point	2,4
3. Identify properties affected by natural hazards	2
4. Identify community feature meeting selection criteria	X
5. Identify location of utilities in proximity to an incident	3
6. Identify property values within a nominated impact area	4

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Small Business	
1. Identify sites meeting selection criteria	1,2
2. Inventory available sites by LGA by zoning classification	2,4
3. Identify sites in proximity to utilities with available capacity	3
Queensland Rural Fire	
1. Identify properties / owners at risk in the event of a fire	2
2. Locate incident by street address L/P or Property Name	2,3,4
3. Identify responsible Brigade with respect to incident site	4
4. Identify location of nearest resource / feature (eg watercourse, dam etc) in relation to an incident	2
Economic Analysis	
1. Identify employment categories by total annual wages / numbers of employees by industry sector and nominated spatial unit	X
2. Identify number and distribution of business categories eg by land use codes in IVAS	4
Property Development Management	
1. Identify restrictions applying to land to assist development approvals	2
Facility / Asset Management (Network)	
1. Identify utilities easements adjacent to a property / contact	3
2. Identify location of proposed utilities	3
Environmental Management	
1. Identify constraints on land use	2
2. Identify significance values of an area	2
3. Identify extent of protection zones in proximity to a site and properties impacted	2
4. Line of visibility analysis eg towers	5
Transport	
1. Identify constraints on use of road network	X
2. Identify shortest route eg garbage collection	X
3. Identify road asset management details / contact in responsible authority	X
4. Identify corridors for future road reservations	2
Customer Services	
1. Identify properties with outstanding rates	4
2. Identify planning controls / regulations applicable to a property	2,4,6
3. Identify services availability to a selected property	3
4. Identify hazards for a given property	2
5. Identify location of "outage" calls for specific properties	3
6. Identify which main / transformer serves which property(s)	3
Economic Analysis	
1. Identify anomalies in valuations / rates by zone	4
ENERGEX	
1. Location of customer property served by ENERGEX infrastructure. (outage call)	3
2. Location of assets meeting selection criteria - prioritisation of works scheduling	X

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3. Analysis of future capacity requirements based on land use and population density projections	1
4. Site selection analysis of allotments meeting specified criteria eg size, value etc	1,2,4
Telecommunications	
1. Identify customer location by street number / locality, ownership, lot/plan reference	3
2. Identify presence of infrastructure owned by other utilities; and contact details for responsible authority	3
3. Identify suitable sites for the location of infrastructure, assets including co-location with existing assets (incl. zones of controls) elevation, access	1,2,3,4
4. Identify constraints, contamination, SOS, Native Title	2
5. Identify distribution route based on soil types, vegetation impact etc.	1,2,6
6. Identify options for network extension, based on state and local government development strategies (asset location)	1,2
7. Identify market segments using spatial analysis of ABS data	1
Land Development	
1. Identify land suitable for development - permit	2
2. Identify owners of neighbouring properties in proximity to development site	4,6
3. identify encumbrances on a property - eg easements; rights of way, native title	3,6
4. identify the location of recent property sales within a given value range	4
Valuations	
1. identify all rates and charges on property	4
2. identify all constraints on a property (zones, contamination, sites of significance)	2,4
3. identify infrastructure (present, future) serving the property	3
4. identify sales history adjacent to a given property	4
5. identify rates and charges on neighbouring properties	4
Development Finance	
1. identify property sales by property types, new existing stock categories	4
2. identify title encumbrances	4
3. identify 'like' neighbouring properties sales history	4
4. identify development trends by local government area	1
Environment and mining	
1. identify constraints on granting an exploration permit or mining lease	2,4
2. identify buffer zone requirements around sites of significance	2
3. Optimise route location for infrastructure (roads, water, transmission)	2,4
4. identify title, owner, lease details	4